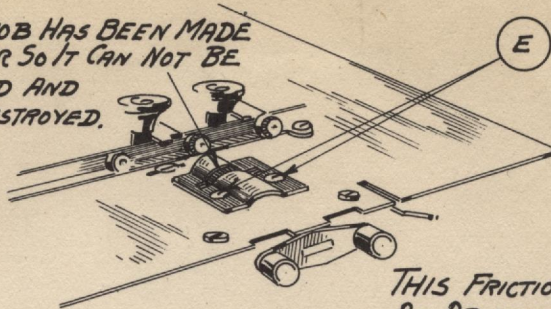


# MACHINE SERVICE BULLETIN No. 62

SUBJECT : TENSION DEVICE ON  
CARRIAGE SHIFTER .

DATE : DEC. 21, 1927.

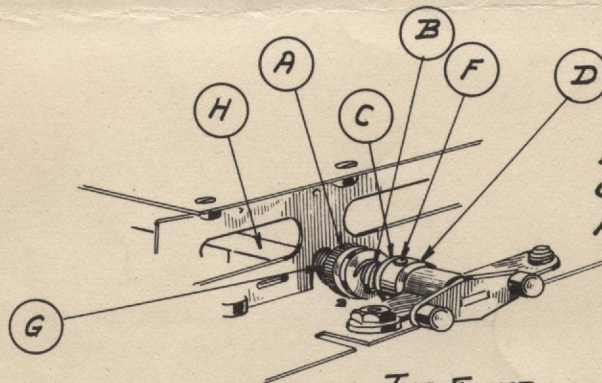
NOTE THAT THIS KNOB HAS BEEN MADE  
SMALLER IN DIAMETER SO IT CAN NOT BE  
TOO READILY TURNED AND  
THE ADJUSTMENT DESTROYED.



THIS FRICTION DEVICE SERVES TO SUPPLY  
AN ADJUSTABLE TENSION TO THE SHIFTER  
ROD - CARRIAGE IS THEN SHIFTED MORE  
DEFINITELY AND SILENTLY

VIEW - TOP OF KEY BOARD

— ONLY USED ON FULL AUTOMATIC —



## IMPORTANT !

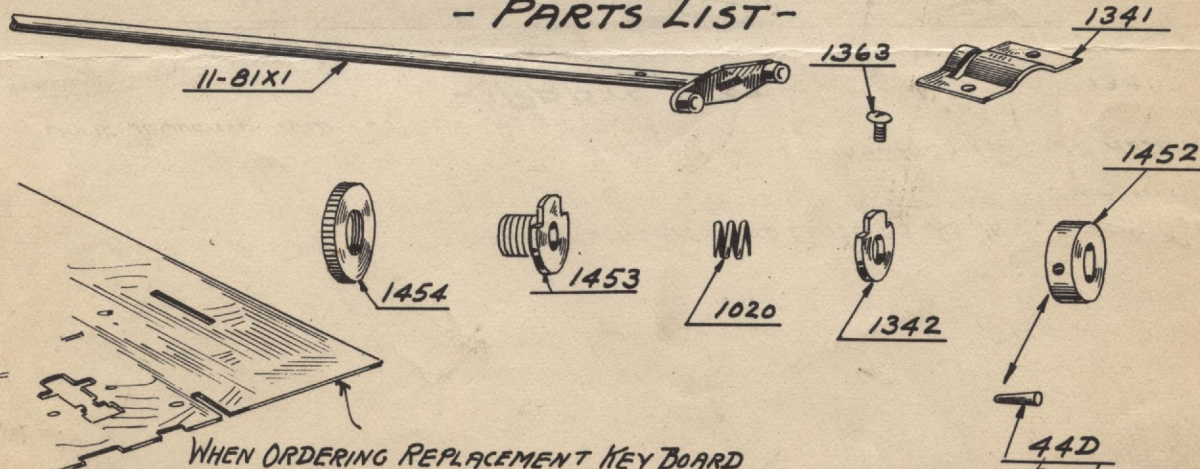
BEFORE DISMANTLING, NOTE THE POSITION  
OF THE PARTS - THEY MAY BE EASILY  
ASSEMBLED INCORRECTLY.

THE FUNCTION OF THIS MECHANISM IS: AS THE KNURLED  
NUT (A) IS TURNED ON THREADED SLEEVE (G) TO THE RIGHT, IT SERVES TO COMPRESS SPRING (B)  
EXERTING PRESSURE AGAINST WASHER (C) THIS PRESSURE IS TRANSMITTED AGAINST  
COLLAR (D) WHICH BEING TIGHT TO THE SHAFT (H) SERVES TO RETARD THE FREEDOM OF THE  
SHAFT.

TO DISMANTLE: REMOVE THE CARRIAGE SHIFT CAMS AND CLUTCHES AS IN BULLETIN #40 - OPER #776  
#777 #778 #779 #780 \*REMOVE SCREWS (E) DRIVE OUT PIN (F) SHAFT MAY NOW BE WITHDRAWN.

EXTRACT SHAFT WITH CARE AND LAY ASIDE THE PARTS SO THAT THEY MAY BE ASSEMBLED IN THE  
SAME SEQUENCE AND POSITION AS BEFORE.

## - PARTS LIST -



WHEN ORDERING REPLACEMENT KEY BOARD  
TOP PLATES SPECIFY SERIAL NO. OF MACHINE

J. M. Smith  
GENERAL SERVICE MANAGER.



Mr. H. V. Karthaus  
Toledo, Ohio.